



Artificial Software Diversification for WebAssembly

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i .

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Abstract

[1]

Keywords: Lorem, Ipsum, Dolor, Sit, Amet

Sammanfattning

[1]

LIST OF PAPERS

1. ***WebAssembly Diversification for Malware Evasion***
Javier Cabrera-Arteaga, Tim Toady, Martin Monperrus, Benoit Baudry
Computers & Security, Volume 131, 2023, 17 pages
<https://www.sciencedirect.com/science/article/pii/S0167404823002067>
2. ***Wasm-mutate: Fast and Effective Binary Diversification for WebAssembly***
Javier Cabrera-Arteaga, Nicholas Fitzgerald, Martin Monperrus, Benoit Baudry
Under review, 17 pages
<https://arxiv.org/pdf/2309.07638.pdf>
3. ***Multi-Variant Execution at the Edge***
Javier Cabrera-Arteaga, Pierre Laperdrix, Martin Monperrus, Benoit Baudry
Moving Target Defense (MTD 2022), 12 pages
<https://dl.acm.org/doi/abs/10.1145/3560828.3564007>
4. ***CROW: Code Diversification for WebAssembly***
Javier Cabrera-Arteaga, Orestis Floros, Oscar Vera-Pérez, Benoit Baudry, Martin Monperrus
Measurements, Attacks, and Defenses for the Web (MADWeb 2021), 12 pages
<https://doi.org/10.14722/madweb.2021.23004>
5. ***Superoptimization of WebAssembly Bytecode***
Javier Cabrera-Arteaga, Shrinish Donde, Jian Gu, Orestis Floros, Lucas Satabin, Benoit Baudry, Martin Monperrus
Conference Companion of the 4th International Conference on Art, Science, and Engineering of Programming (Programming 2021), MoreVMs, 4 pages
<https://doi.org/10.1145/3397537.3397567>
6. ***Scalable Comparison of JavaScript V8 Bytecode Traces***
Javier Cabrera-Arteaga, Martin Monperrus, Benoit Baudry
11th ACM SIGPLAN International Workshop on Virtual Machines and Intermediate Languages (SPLASH 2019), 10 pages
<https://doi.org/10.1145/3358504.3361228>

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ACRONYMS

List of commonly used acronyms:

Wasm WebAssembly

Contents

List of Papers	iii
Acknowledgement	v
Acronyms	vii
Contents	1
I Thesis	3
1 Introduction	5
1.1 Background	5
1.2 Problem statement	5
1.3 Automatic Software diversification requirements	5
1.4 List of contributions	5
1.5 Summary of research papers	6
1.6 Thesis outline	6
2 Background and state of the art	7
2.1 WebAssembly	7
2.1.1 From source code to WebAssembly	7
2.1.2 WebAssembly's binary format	9
2.1.3 WebAssembly's runtime structure	11
2.1.4 WebAssembly's control flow	13
2.1.5 WebAssembly's ecosystem	14
2.1.6 WebAssembly binary analysis	15
2.1.7 WebAssembly's security	16
2.2 Software diversification	16
2.2.1 Generating Software Diversification	16
2.2.2 Variants generation	16

2.2.3	Variants equivalence	16
2.2.4	Defensive Diversification	17
2.2.5	Offensive Diversification	17
3	Automatic Software Diversification for WebAssembly	19
3.1	CROW: Code Randomization of WebAssembly	20
3.1.1	Enumerative synthesis	21
3.1.2	Constant inferring	22
3.1.3	CROW instantiation	23
3.2	MEWE: Multi-variant Execution for WebAssembly	25
3.2.1	Multivariant generation	26
3.3	WASM-MUTATE: Fast and Effective Binary for WebAssembly	29
3.3.1	WebAssembly Rewriting Rules	30
3.3.2	E-Graphs traversals	31
3.3.3	WASM-MUTATE instantiation	32
3.4	Comparing CROW, MEWE, and WASM-MUTATE	34
3.4.1	Security applications	37
3.5	Conclusions	38
4	Exploiting Software Diversification for WebAssembly	39
4.1	Offensive Diversification: Malware evasion	39
4.1.1	Objective	39
4.1.2	Approach	39
4.1.3	Results	40
4.2	Defensive Diversification: Speculative Side-channel protection	40
4.2.1	Threat model	40
4.2.2	Approach	40
4.2.3	Results	40
5	Conclusions and Future Work	41
5.1	Summary of technical contributions	41
5.2	Summary of empirical findings	41
5.3	Summary of empirical findings	41
5.4	Future Work	41
II	Included papers	43
	Superoptimization of WebAssembly Bytecode	47
	CROW: Code Diversification for WebAssembly	49

<i>CONTENTS</i>	3
Multi-Variant Execution at the Edge	51
WebAssembly Diversification for Malware Evasion	53
Wasm-mutate: Fast and Effective Binary Diversification for WebAssembly	55
Scalable Comparison of JavaScript V8 Bytecode Traces	57

Part I

Thesis

